



Verona Road (US 18/151) Project



Fitchburg Committee of the Whole
Meeting
January 23, 2013



US 18/151 (Verona Road) Project



County PD to Seminole Highway
Dane County



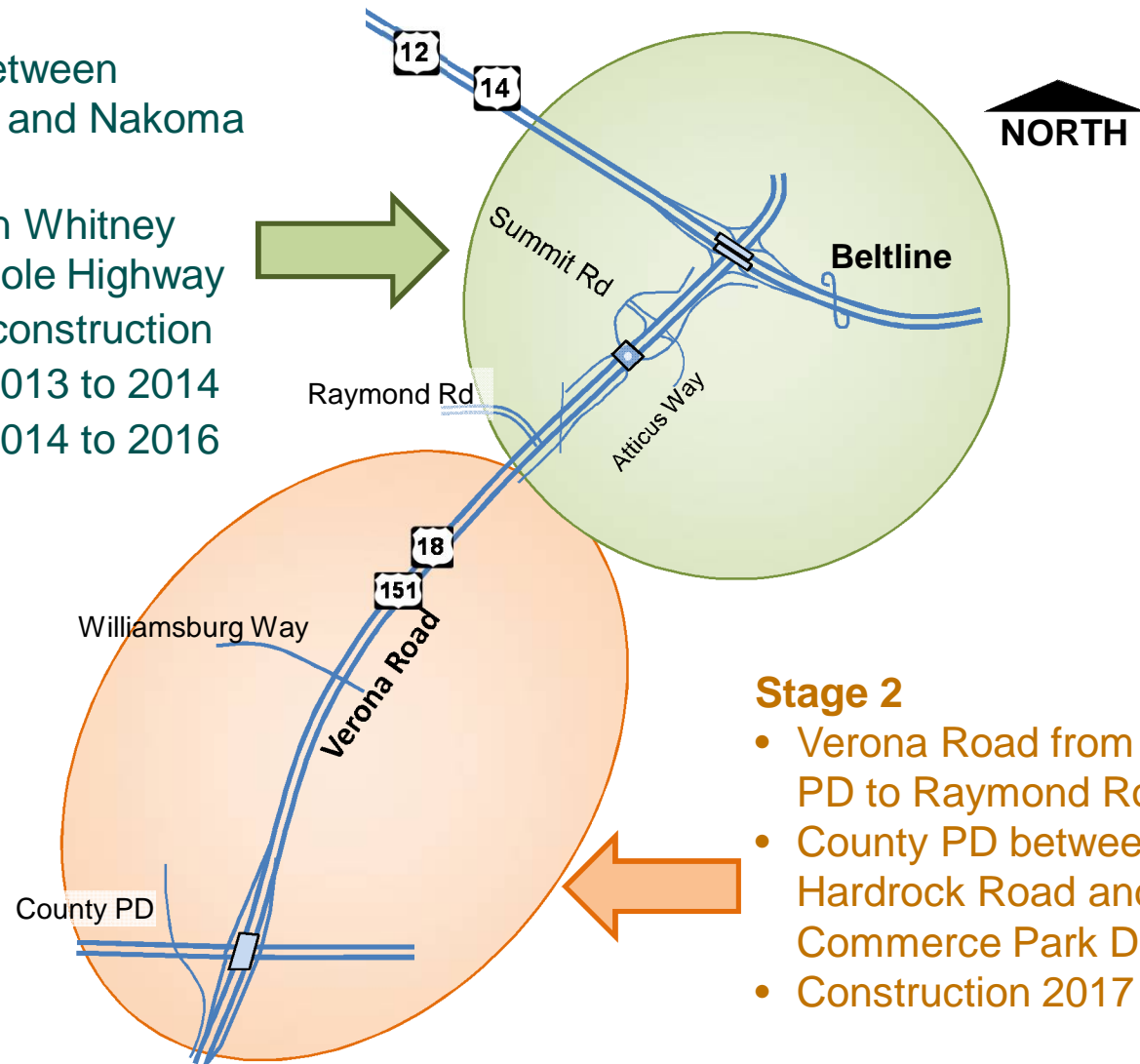


Project Area Stages 1 and 2



Stage 1

- Verona Road between Raymond Road and Nakoma Road
- Beltline between Whitney Way and Seminole Highway
- Two phases of construction
 - Phase 1, 2013 to 2014
 - Phase 2, 2014 to 2016



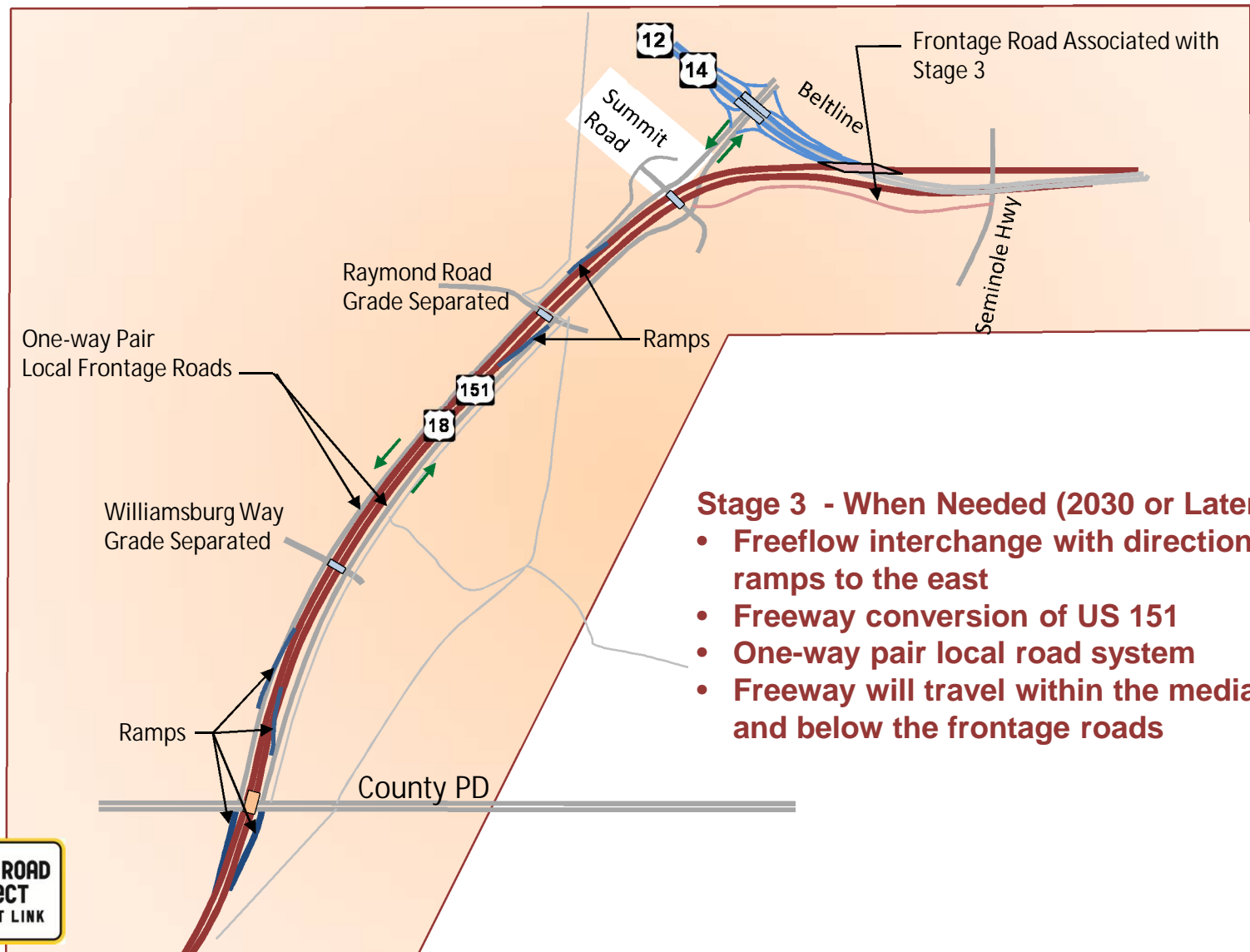
Stage 2

- Verona Road from County PD to Raymond Road
- County PD between Hardrock Road and Commerce Park Drive
- Construction 2017 to 2019





Project Area Stage 3





Why Improve Verona Road?

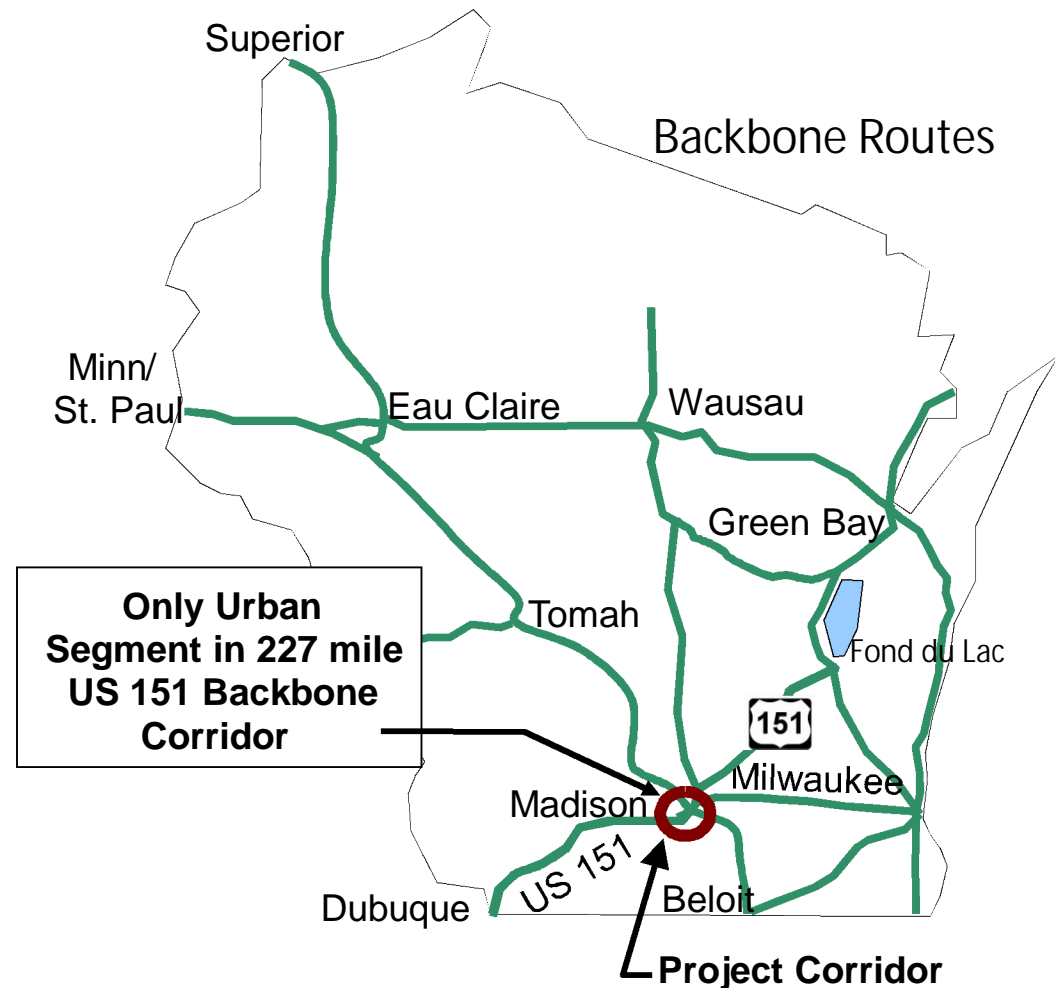


US 151's role in the State Transportation System

US 151 is a Connections
2030 Backbone Route in the
State Highway Plan.

Backbone Routes are the
state's most important
highways.

They make up only 3
percent of Wisconsin's
roadways, yet carry 34
percent of all auto travel
and 57 percent of all truck
travel.



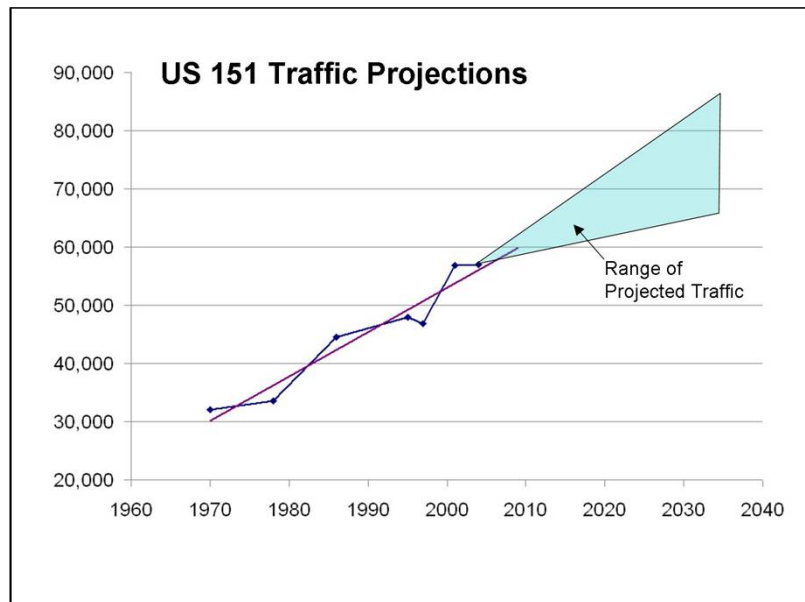


Why Improve Verona Road?



Congestion: US 151 traffic has steadily risen from 30,000 vehicles per day in 1968 to 60,000 vehicles today. Capacity of the existing roadway has been exceeded.

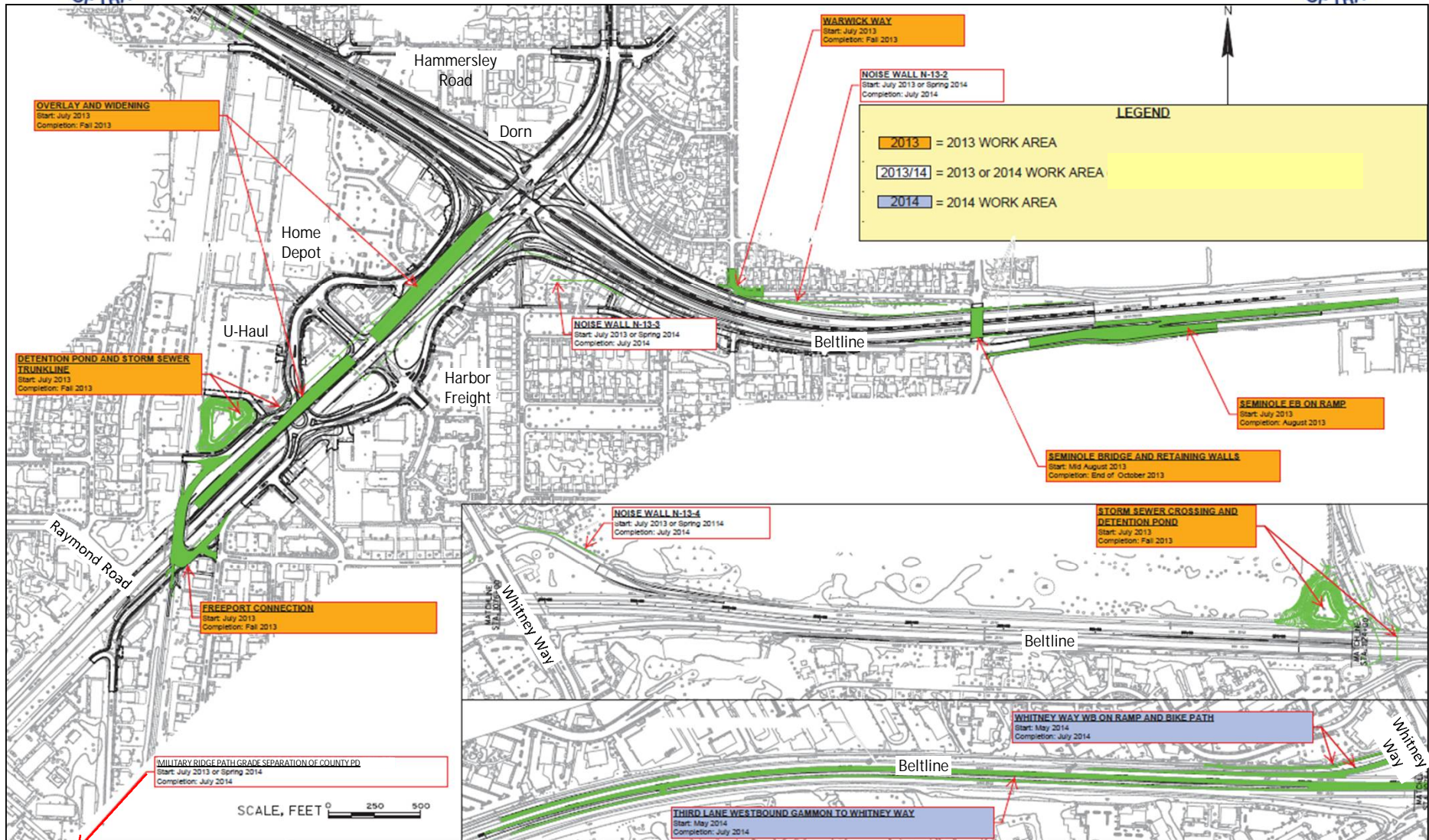
Safety: At-Grade intersection conflicts.





Stage 1 Features

Phase 1: 2013 to 2014 Construction





Stage 1 Features

Phase 1: 2013 and 2014 Construction



To ease congestion during construction, the following intersections and digital message boards will be constructed in 2013 & 2014.

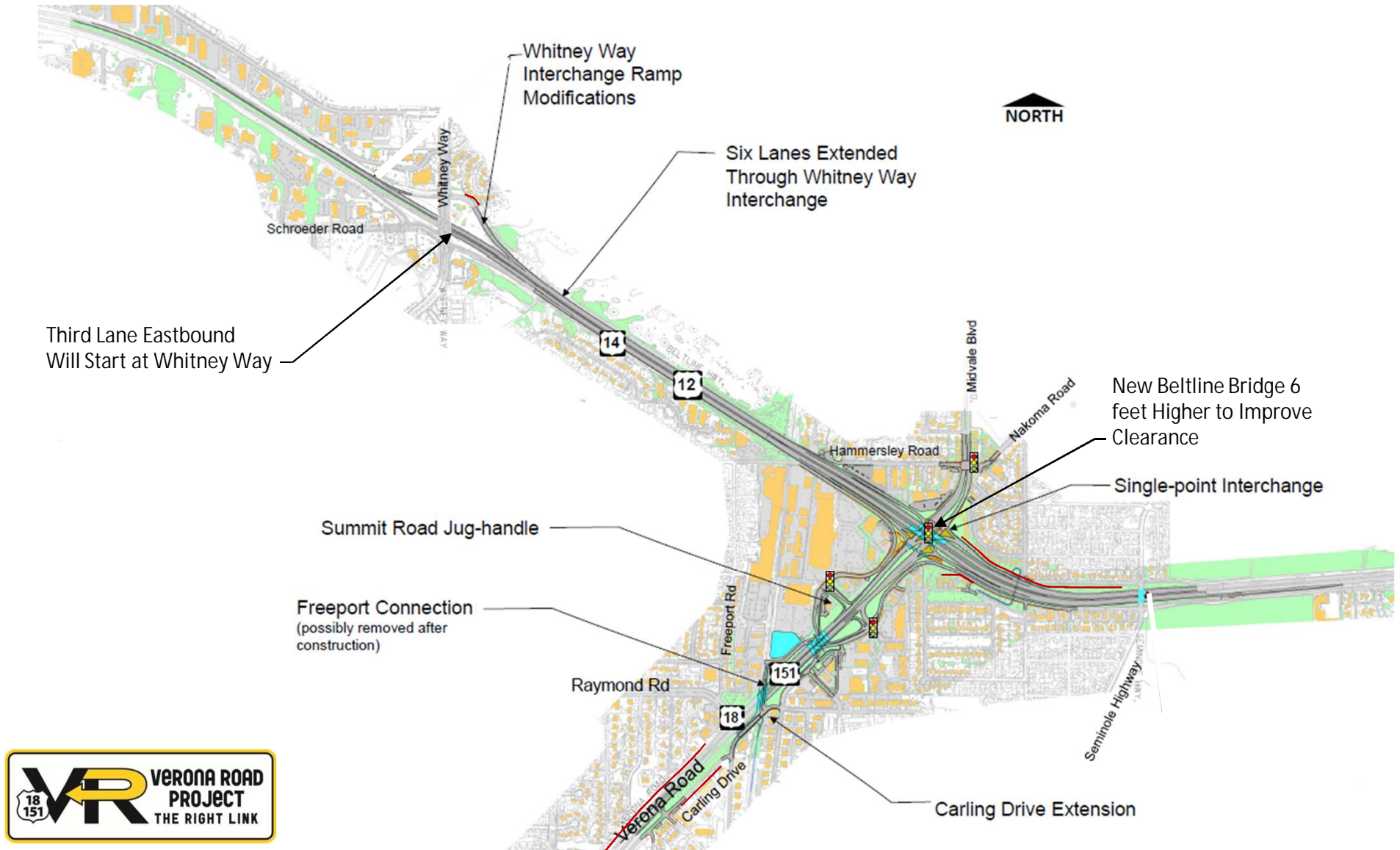
1. County M and County PB: 2014
Signal and turn lane extensions proposed.
2. County M and County D (Fish Hatchery Road): 2014
Turn lanes proposed.
3. County D and Whalen Road: 2014
Turn lane and bike accommodations proposed.
4. **Seminole Highway and Lacy Road: 2013**
Turn lane additions.
5. **County PD and Seminole Highway: 2013**
Eastbound left turn lane extension.
6. **Seminole Highway and Sentinel Pass: 2013**
Signal and turn lane extensions.
7. Whitney Way and Gilbert: 2014
Southbound left-turn lane extension.
8. **Seminole Highway, Yuma and Nakoma Drive: 2013**
Signal and revised pavement marking.
9. Digital Message Boards 





Stage 1 Features

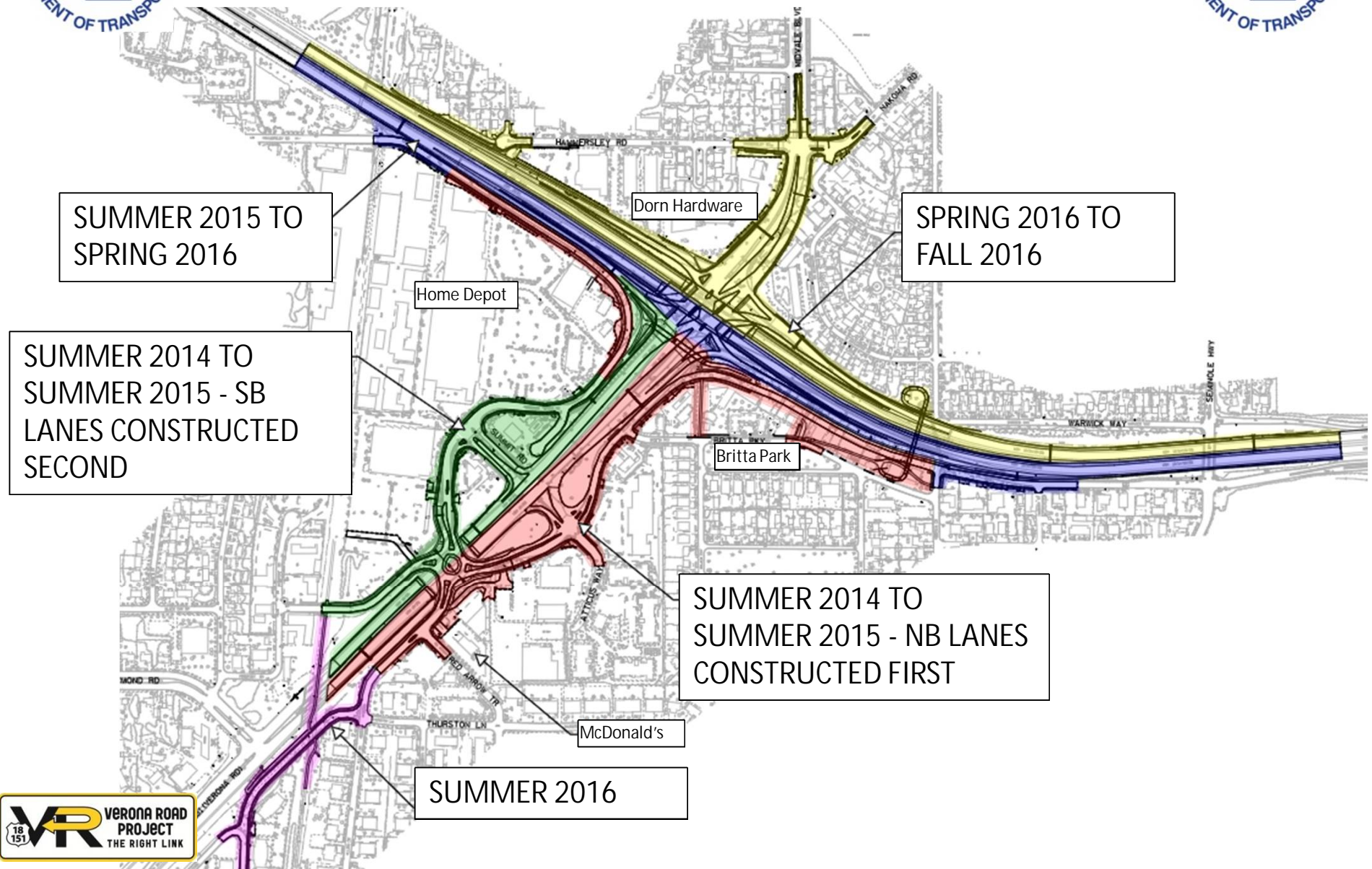
Phase 2: 2014 to 2016 Construction





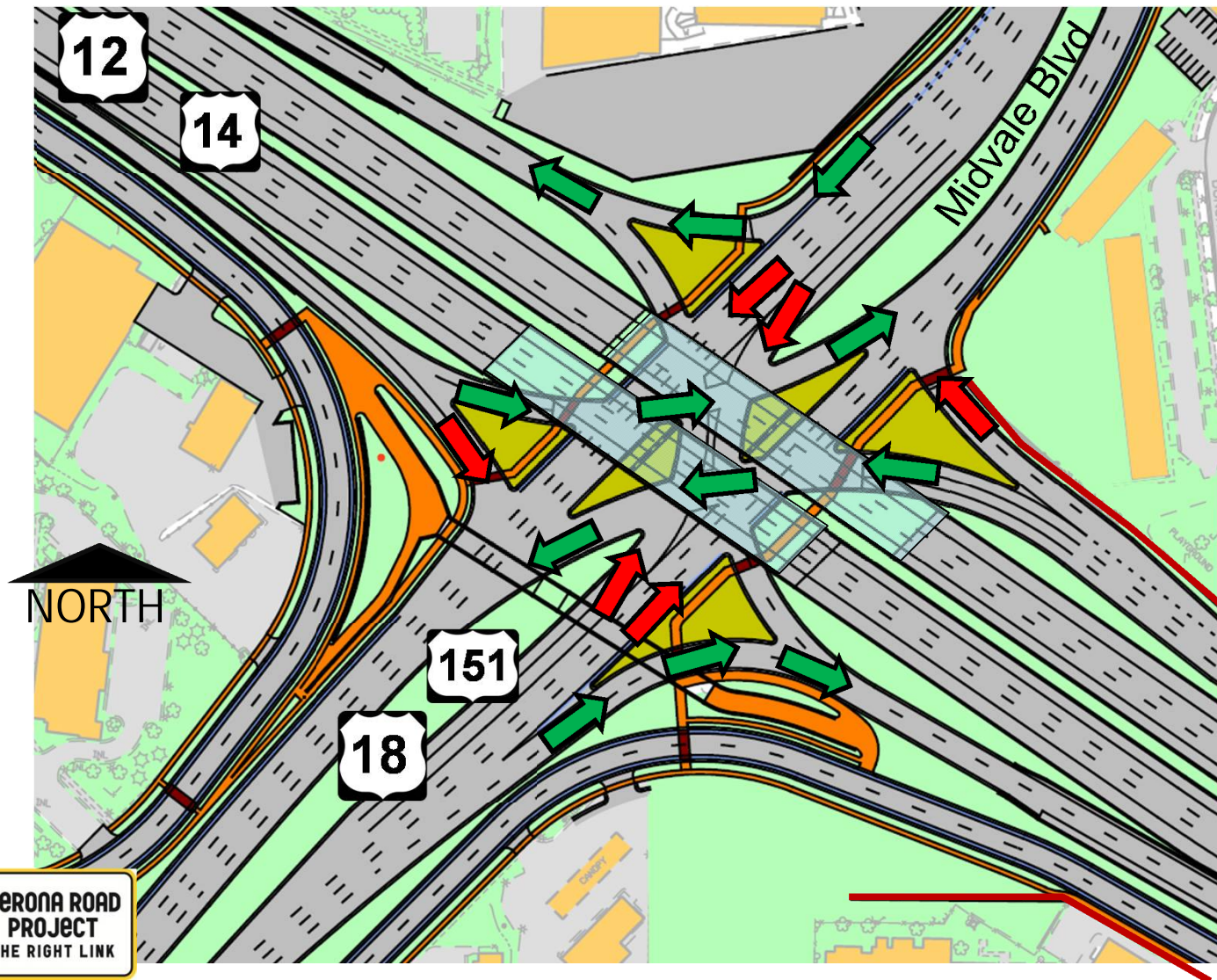
Stage 1 Features

Phase 2: 2014 and 2016 Construction Sequence



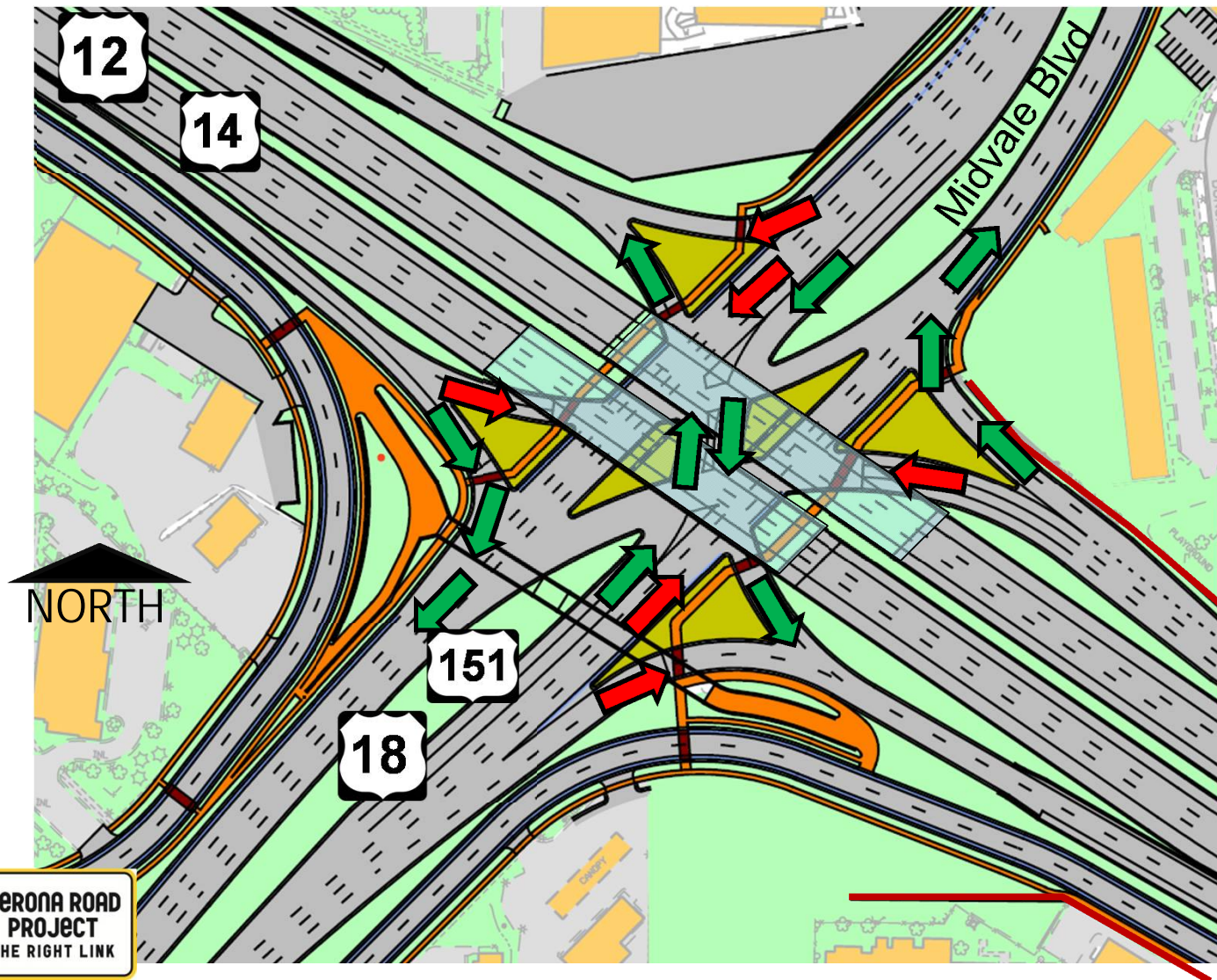


Single Point Urban Interchange (SPUI) Left Turns From Beltline to Verona Road



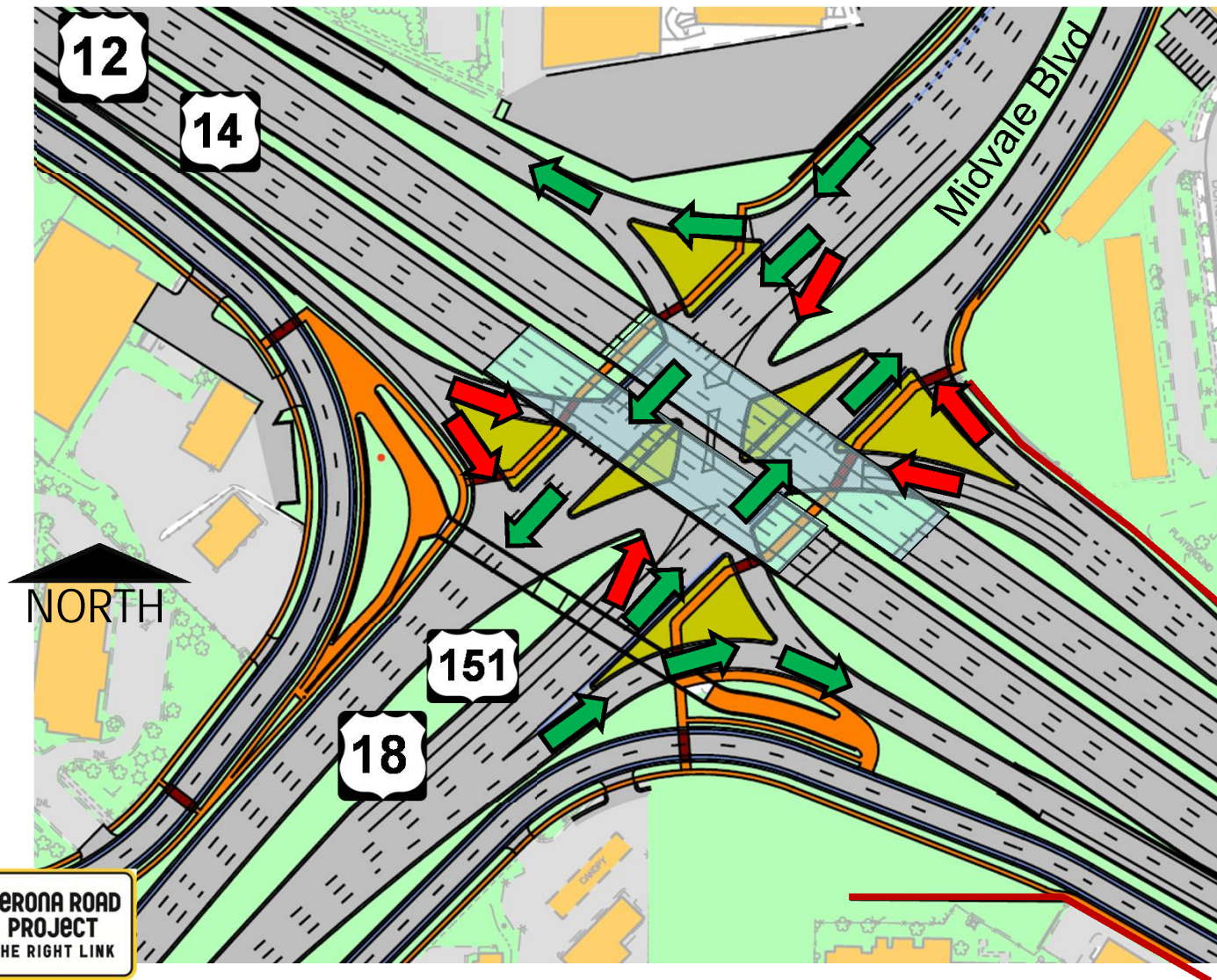


Single Point Urban Interchange (SPUI) Left Turns From Verona Road to Beltline





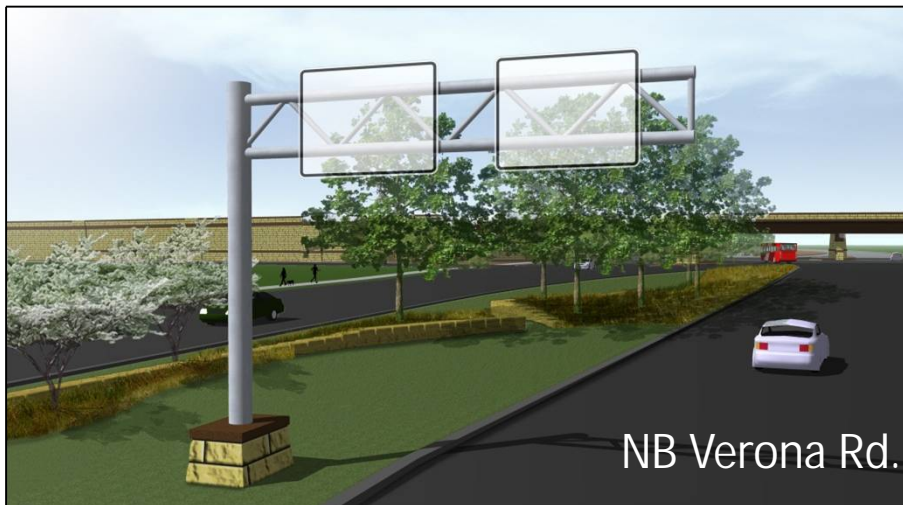
Single Point Urban Interchange (SPUI) Verona Road Through Movements





Stage 1 Features

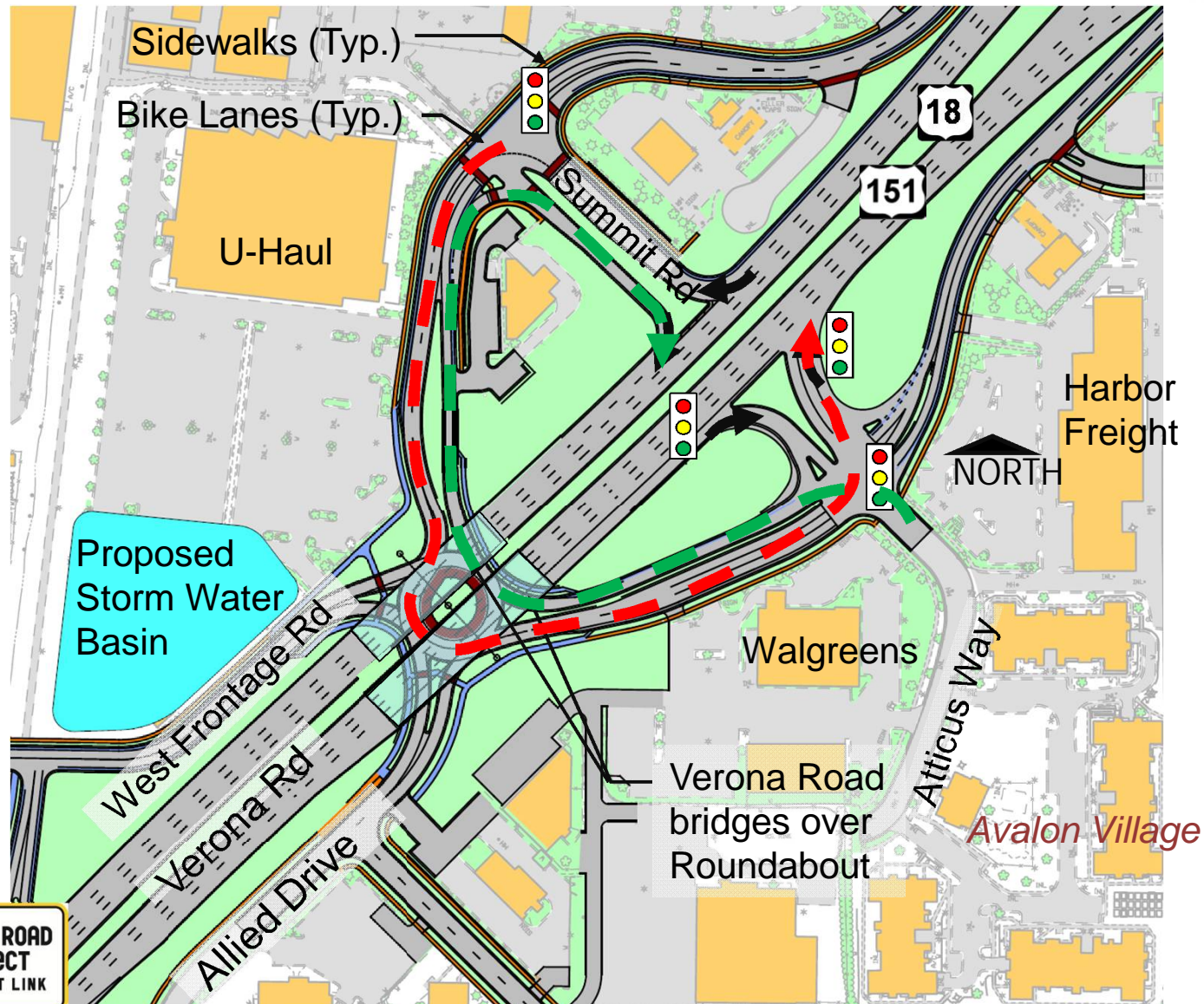
Single Point Urban Interchange (SPUI)





Stage 1 Features

Summit Road/Roundabout Jug-Handle





Stage 1 Features

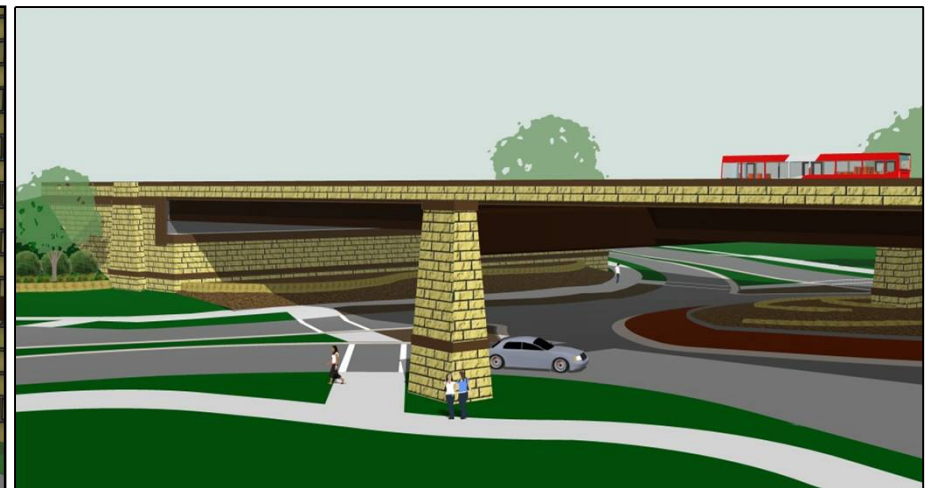
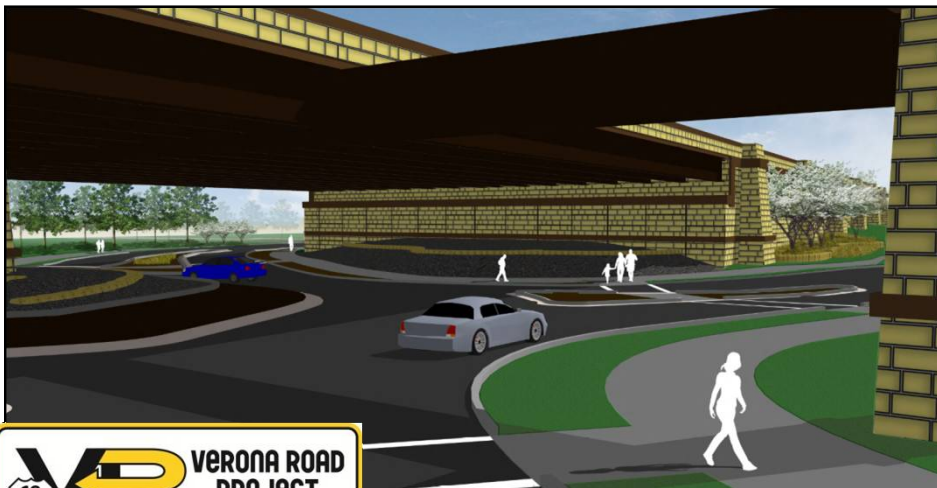
Summit Road/Roundabout Jug-Handle



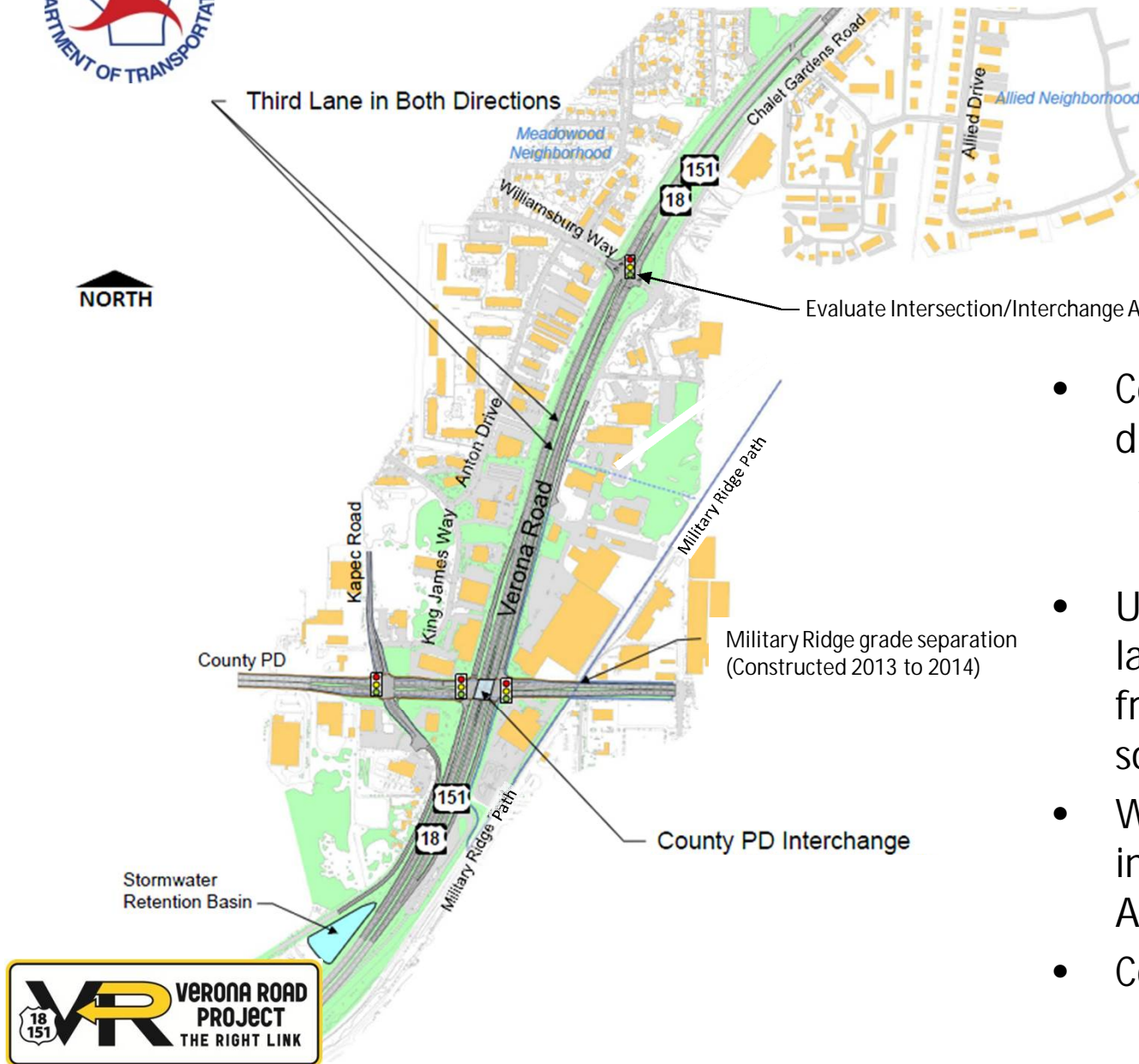


Stage 1 Features

Summit Road/Roundabout Jug-Handle



Stage 2 Features



- County PD converted to a diamond interchange.
 - US 151 will travel over County PD
- US 151 expanded to three lanes in each direction from County PD to just south of Raymond Road
- Williamsburg Way intersection/interchange Alternatives Reviewed
- Construction 2017 to 2019



Stage 2 Features

Williamsburg Way Alternatives



At Grade Intersection and Grade Separated Interchange Alternatives were Reviewed
Criteria Included:

- Year the LOS C (Low/Moderate Congestion) exceeded - FHWA guideline
- Anticipated Year of LOS F (Total Congestion)
- Stage 3 Compatibility
- Pedestrian/Bicyclists/Transit Considerations
- Costs

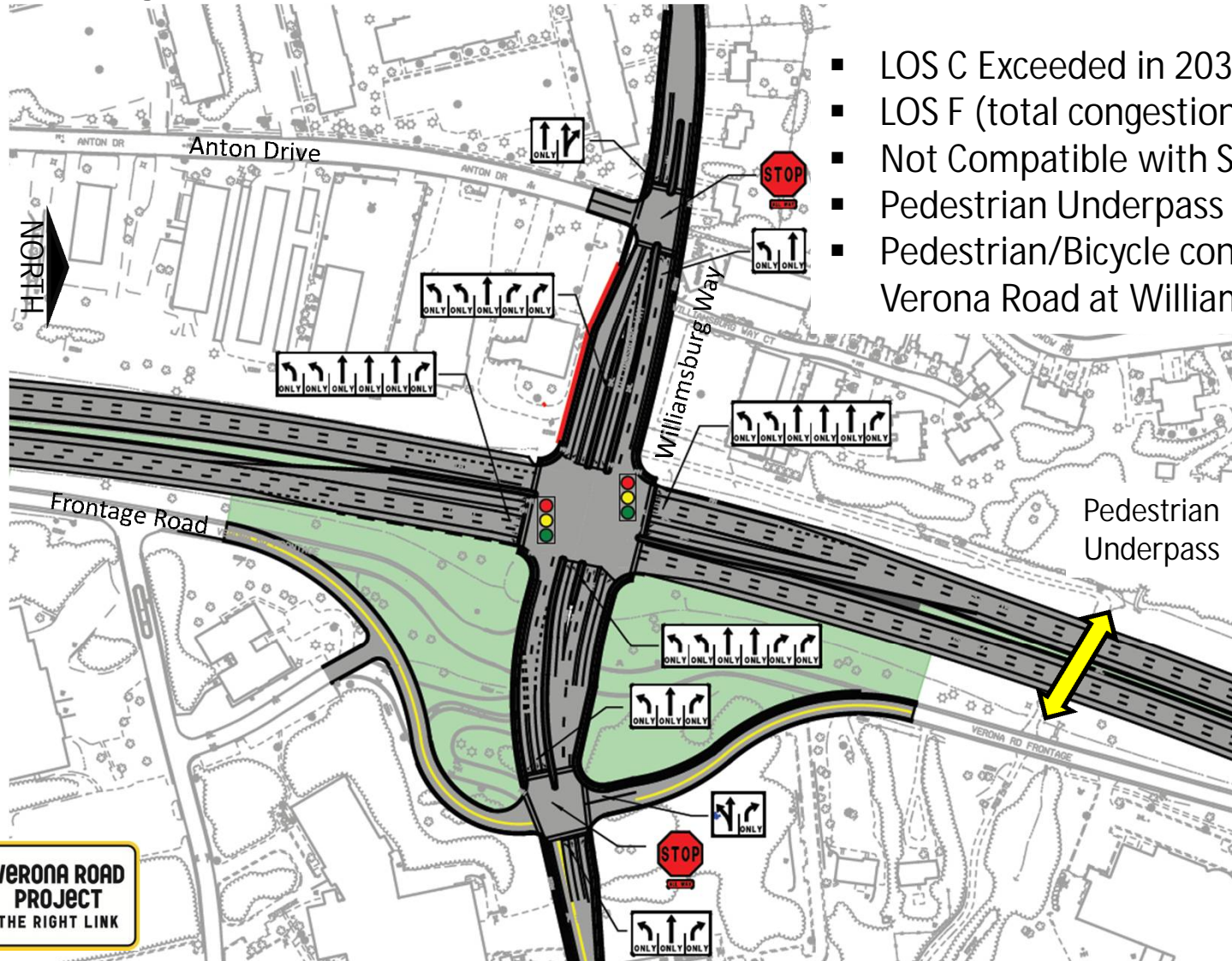




Stage 2 Features

Williamsburg Way Alternatives

Signalized At Grade Expanded Intersection



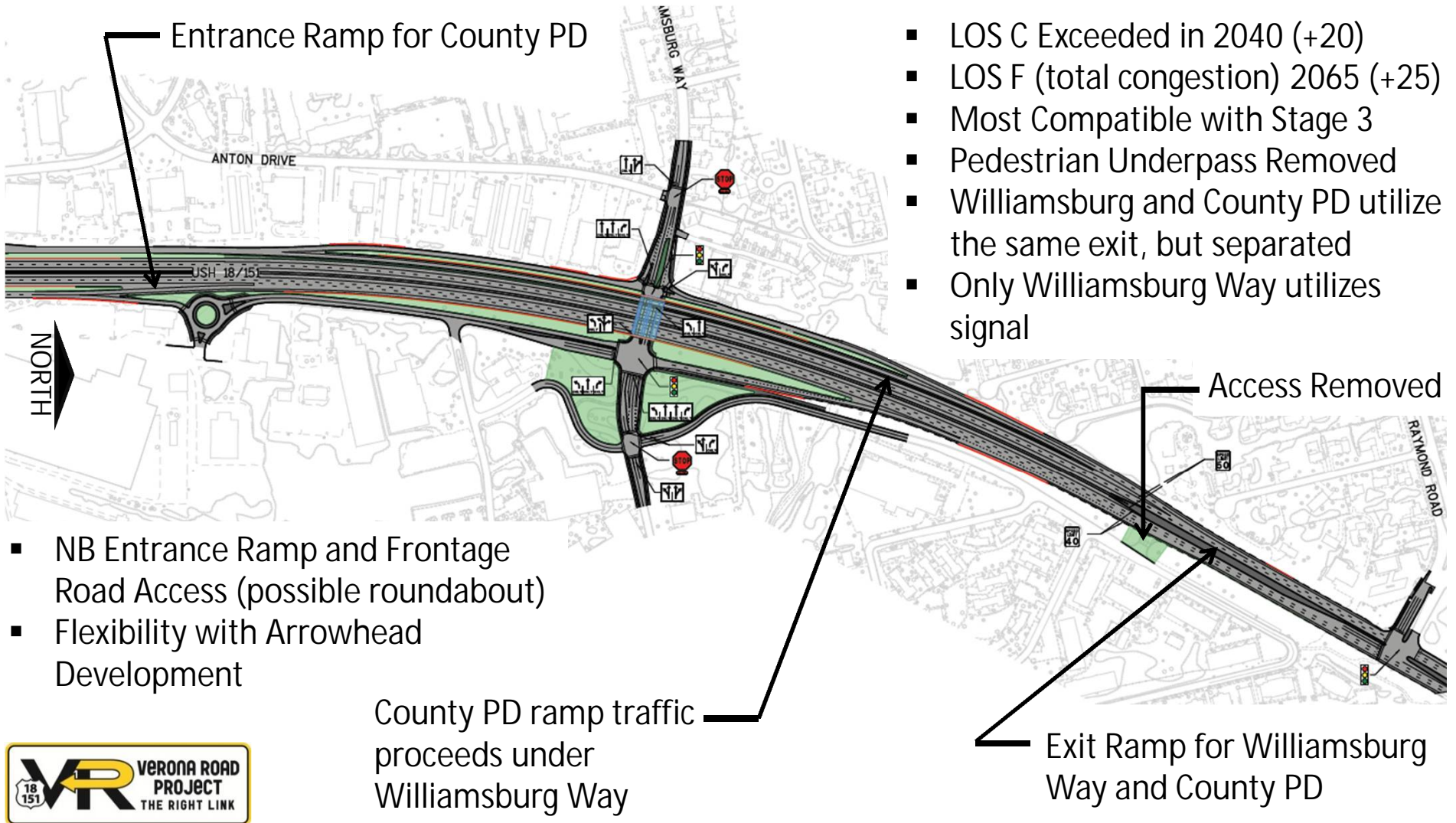
- LOS C Exceeded in 2030 (+10)
- LOS F (total congestion) 2042 (+12)
- Not Compatible with Stage 3
- Pedestrian Underpass Remains
- Pedestrian/Bicycle conflict crossing Verona Road at Williamsburg Way



Stage 2 Features

Williamsburg Way Alternatives

Modified Half Diamond Interchange

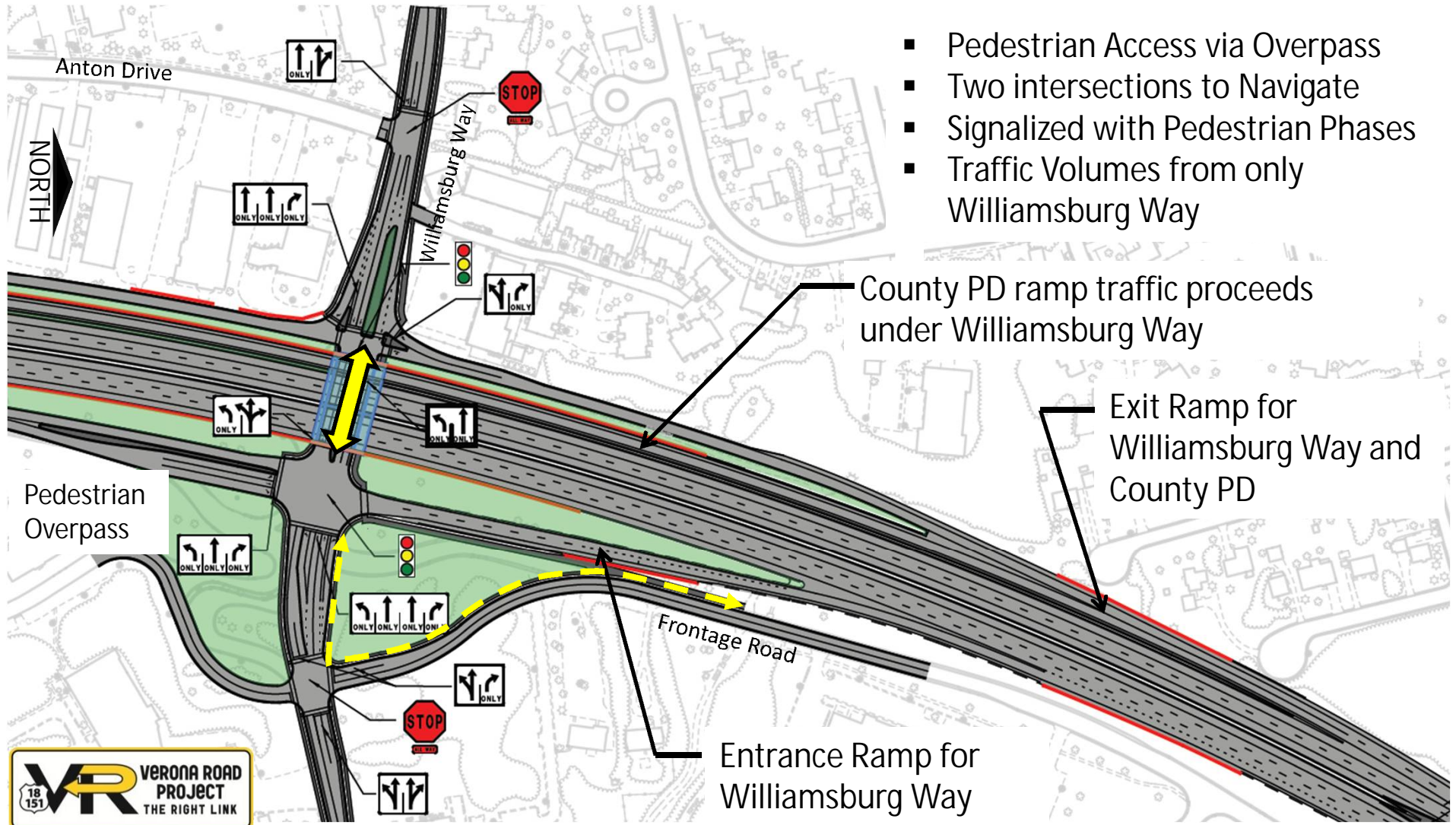




Stage 2 Features

Williamsburg Way Alternatives

Modified Half Diamond Interchange

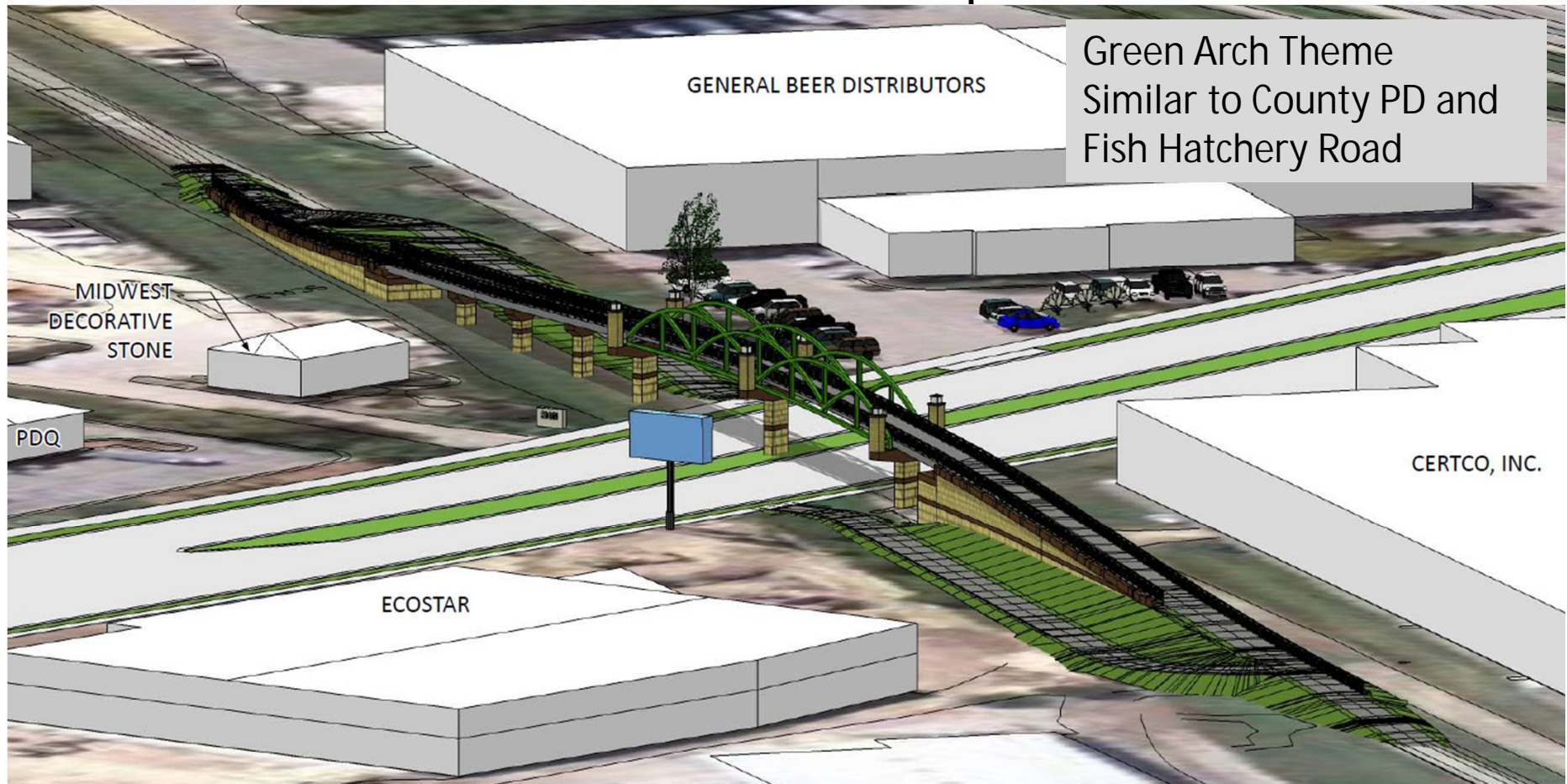




Stage 2 Features

Military Ridge Path Overpass

Aesthetic Concept



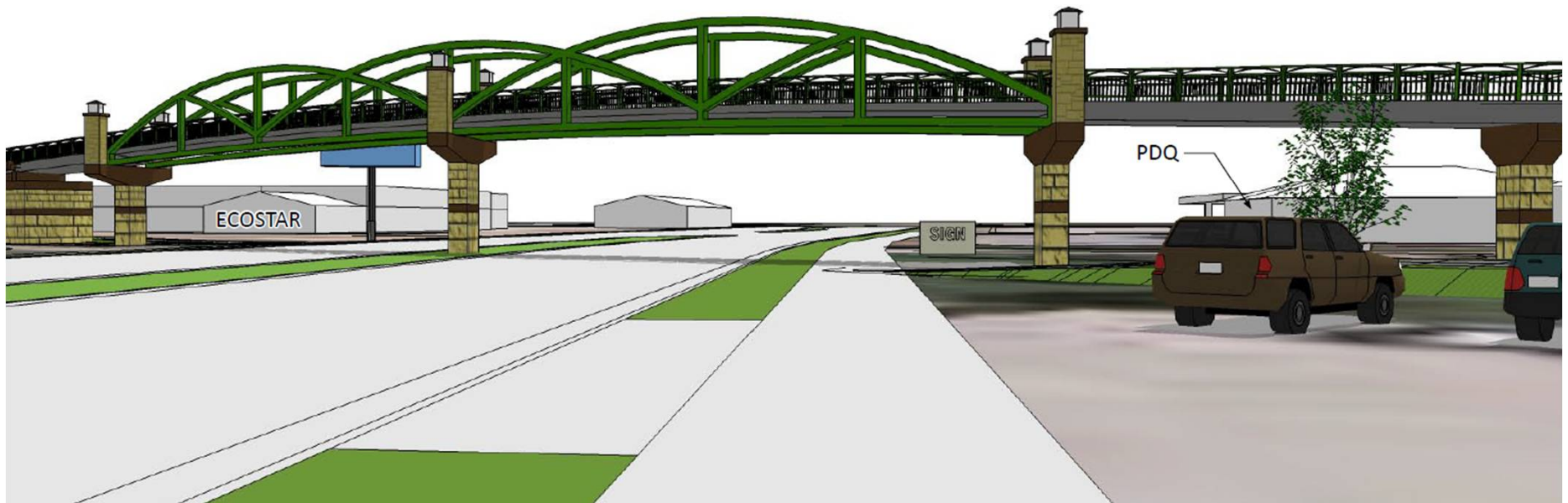
Constructed in Stage 1, Phase 1: 2013/2014



Stage 2 Features

Military Ridge Path Overpass

Aesthetic Concept



Looking East



Stage 2 Features

Military Ridge Path Overpass Aesthetic Concept



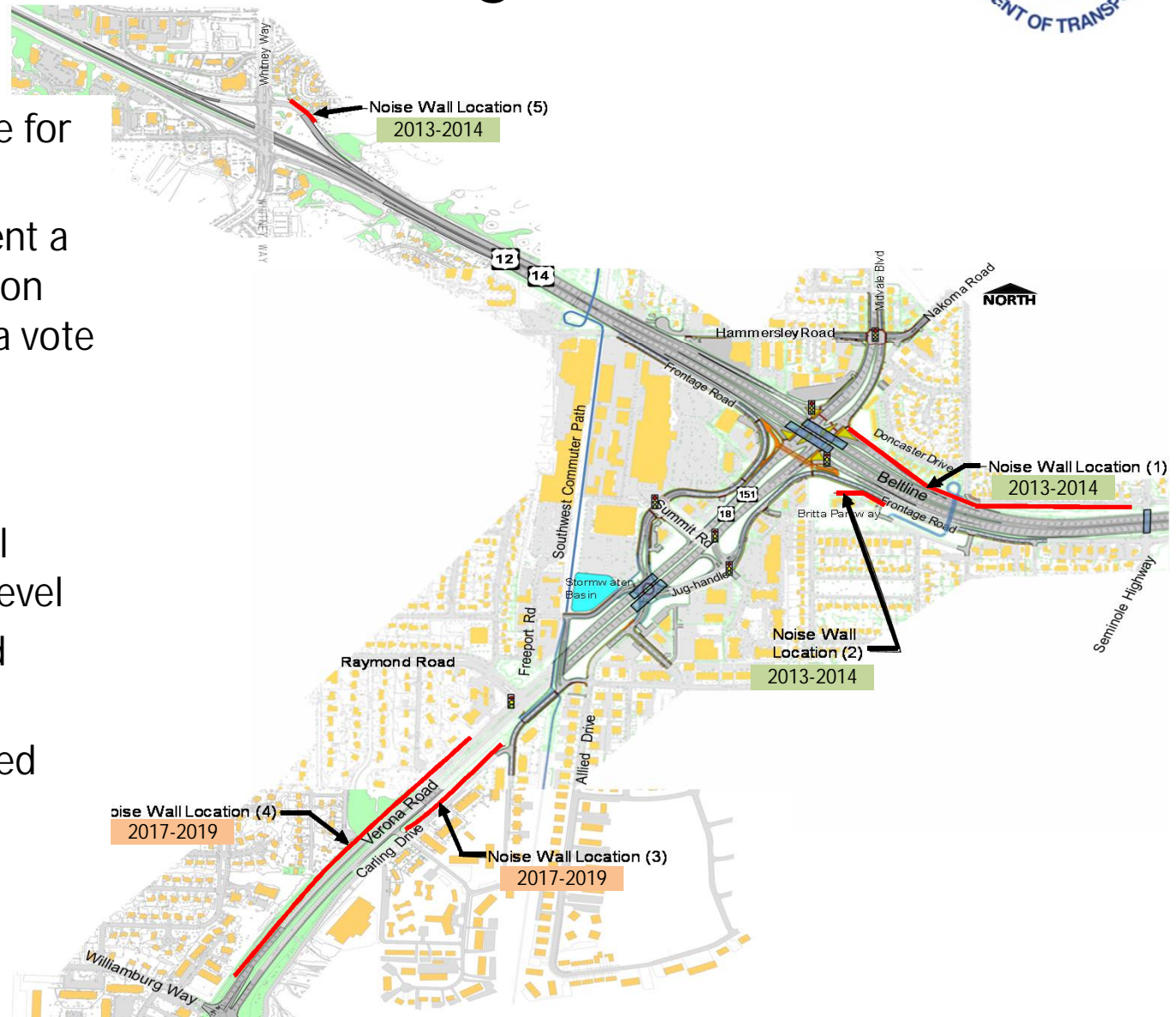
Pier Concept
Looking Northwest



Noise Walls (Stage 1 and 2)

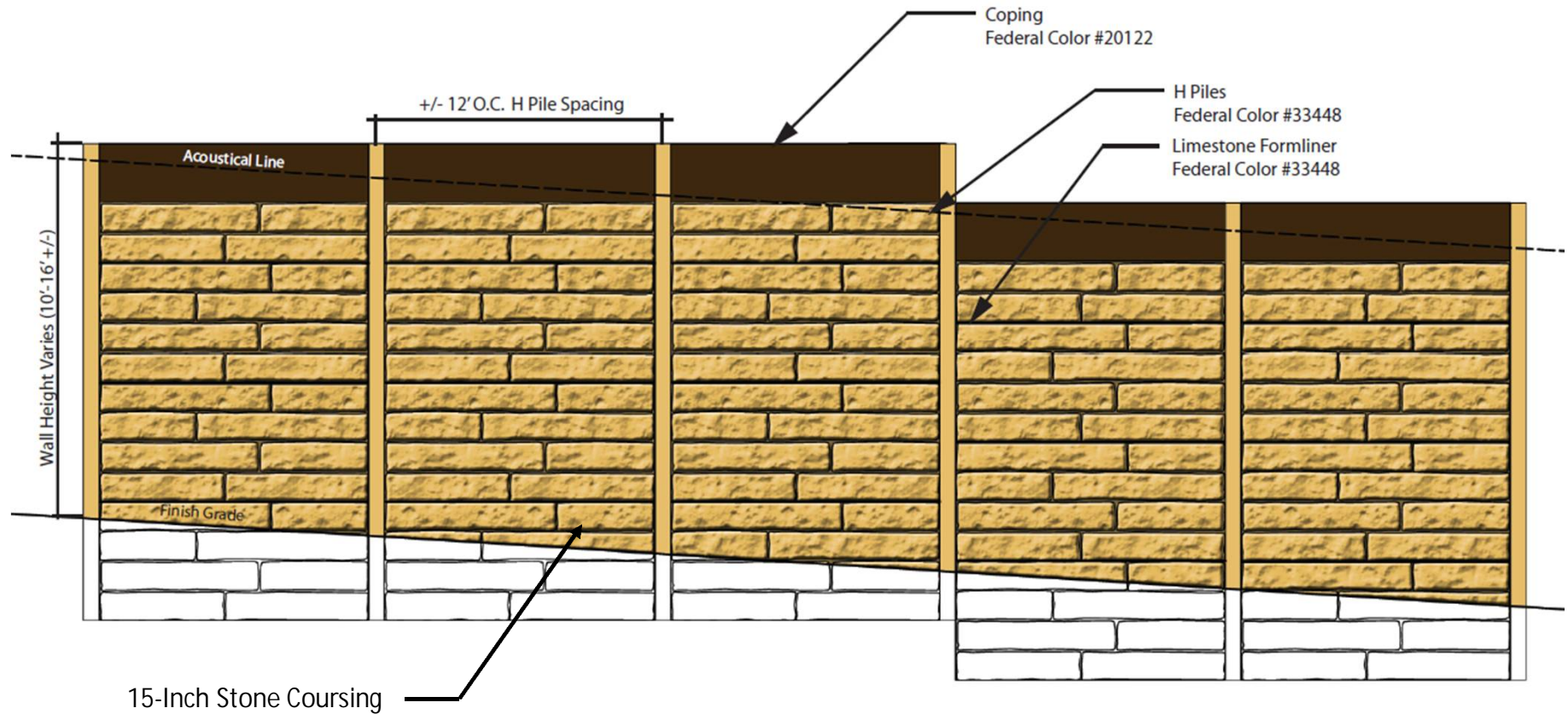


- 5 Noise Walls Eligible for the Project
- Decision to implement a noise wall at a location was determined by a vote of support from benefited receptors
- Benefited receptor receives an 8 decibel reduction in sound level
- Total of 87 benefited receptors
- 5 Noise Walls received vote of support to implement





Noise Wall Aesthetics





Stakeholder Involvement



- WisDOT Verona Road Team coordination with:
 - Local Governments
 - Maintenance
 - General Public
 - Property Owners
 - Businesses & Organizations
 - Neighborhood Groups
 - Dane County Stakeholders Group discussing labor opportunities

- Open Houses will be Quarterly in 2013 At Fitchburg Fire Station No. 2 (King James Way)
 - March 12
 - June 11
 - September 10
 - December 10





Anticipated Project Schedule



Stage 1 (2011 to 2016)

Design	2011 to 2013
Right of Way Acquisition	2011 to 2013
Construction	2013 to 2016

Stage 2 (2013 to 2019)

Design	2013 to 2015
Right of Way Acquisition	2015 to 2016
Construction	2017 to 2019





Project Contacts

Verona Road Project Team



John Vesperman

WisDOT Verona Road Project Chief

(608) 246-3850

john.vesperman@dot.wi.gov

Mark Vesperman

WisDOT Verona Road Project Manager

(608) 246-7548

mark.vesperman@dot.wi.gov

John Steiner

WisDOT Verona Road Project Supervisor

(608) 246-3862

john.steiner@dot.wi.gov

Joe Bunker

Strand Associates - Design Consultant

(608) 251-4843

joe.bunker@strand.com

Mary Heiser

WisDOT Real Estate Specialist

(608) 242-8037

mary.heiser@dot.wi.gov

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